

PROPOSED SIGNS



MD 410 IS ASSUMED TO RUN IN A EAST/WEST DIRECTION

AERIAL CABLE DETAIL

PRIMARY	40' +
SECONDARY	30' 5"
SECONDARY	26' 10"
COMMUNICATION	21' 4"
SURVEILLANCE CABLE	20' 11"
INTERCONNECT CABLE	20' 5"
CABLE TV	18' 7"
TELEPHONE	18'
GRADE	

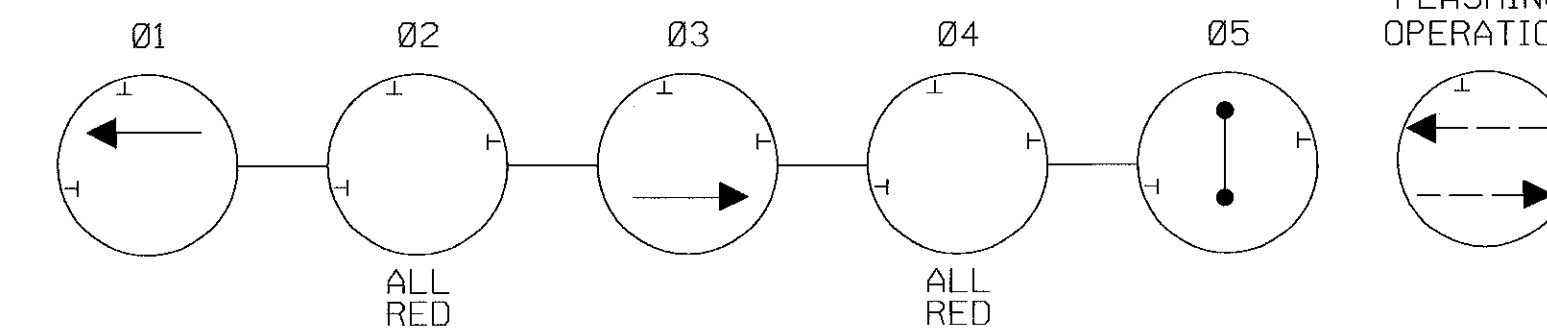
PROPOSED SIGNALS

12"
R
Y
G
1-8

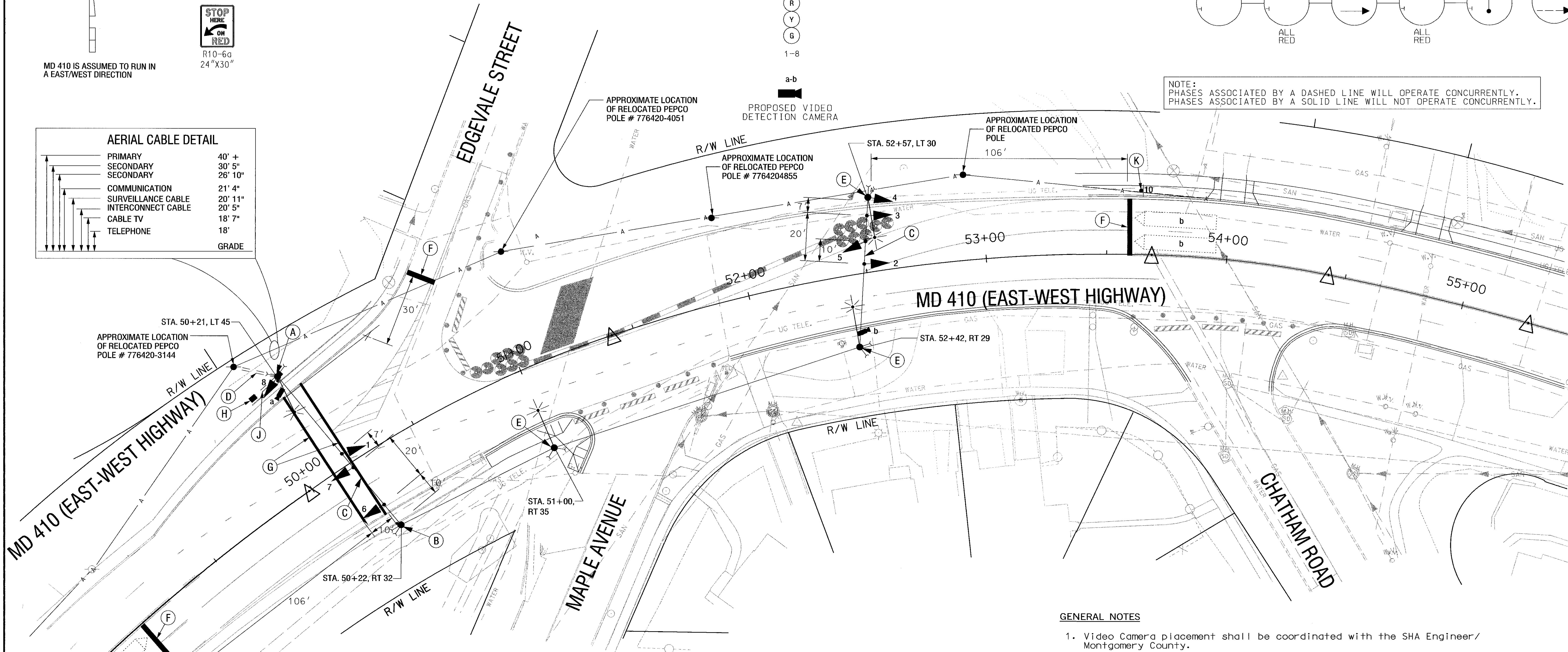
a-b

PROPOSED VIDEO
DETECTION CAMERA

NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

- INSTALL 40 FT. WOOD POLE WITH NEMA SIZE 6 POLE MOUNTED CABINET, 15 FT. LIGHTING BRACKET ARM, 250 WATT HPS LUMINAIRE WITH PHOTOCELL, PROPOSED VIDEO DETECTION CAMERA, PUSHBUTTON AND SIGN BACKGUY AND ANCHOR ASSEMBLIES. ELECTRICAL UTILITY SERVICE EQUIPMENT, 2 IN. RISER FROM THE BOTTOM OF WOOD POLE TO BOTTOM OF CABINET, 3 IN. PVC CONDUIT RISER, AND 3 IN. TRENCHED STUB OUT CONDUIT BEND AT BASE OF POLE (NOTE: 3 WIRE 1-CONDUCTOR NO. 4 A.W.G. SERVICE CABLE).
- INSTALL 40 FT. WOOD POLE WITH PUSHBUTTON AND SIGN, NECESSARY BACKGUY AND ANCHOR ASSEMBLIES.
- INSTALL 3/8 IN. SPAN WIRE WITH TETHER WIRE AND SIGNAL HEADS AS SHOWN.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED STUB OUT CONDUIT BEND AT BASE OF WOOD POLE AND COIL UP 35 FT. OF SLACK CABLE 3 WIRE 1-CONDUCTOR # 4 AWG. (PEPCO POLE # 776420-3144)
- INSTALL 40 FT. WOOD POLE WITH 15 FT. LIGHTING BRACKET ARM, 250 WATT HPS LUMINAIRE WITH PHOTOCELL, PROPOSED VIDEO DETECTION CAMERA, AND NECESSARY BACKGUY AND ANCHOR ASSEMBLIES.
- INSTALL 24 IN. WHITE, HEAT APPLIED, THERMOPLASTIC PAVEMENT MARKING TAPE FOR STOP LINE.
- INSTALL 12 IN. WHITE, HEAT APPLIED, THERMOPLASTIC PAVEMENT MARKING TAPE FOR CROSS WALK.
- INSTALL HANDHOLE.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED
- INSTALL GROUND MOUNTED SIGN ON 4 IN. X 6 IN. WOOD SUPPORT

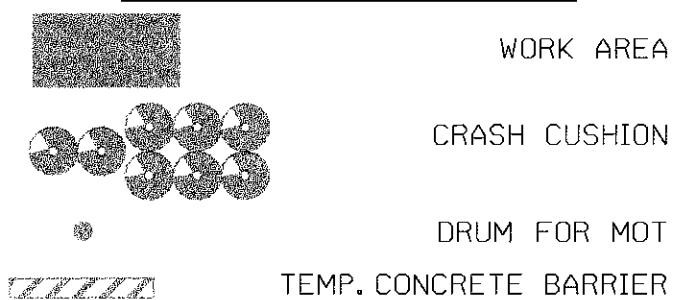
GENERAL NOTES

- Video Camera placement shall be coordinated with the SHA Engineer/Montgomery County.
- Mainline Signal Heads wiring shall have a minimum of 20' of slack cable for re-aligning.
- Cross reference M.O.T. plans in the Contract Documents
- Wood poles shall be installed at a minium depth of 10'
- The contractor shall verify all underground utilities prior to installing proposed signal equipment; if conflicts with these utilities are identified the contractor shall contact the project engineer.
- The contractor shall verify all temporary pole and cabinet locations prior to installation.

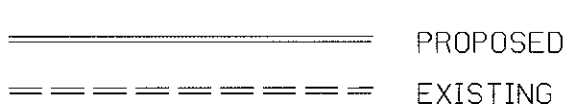
TSP-3

MAINTENANCE OF TRAFFIC PLAN - PHASE 3

M.O.T. CONSTRUCTION LEGEND



GEOMETRIC LEGEND



UTILITY LEGEND

SD	SD	STORM DRAIN
G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
T	T	TELEPHONE CABLES
C-T	C-T	CABLE TV



SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 100
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

REVISIONS

APPROVALS

Marking Ruck 12-19-02
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
1-2-03
ASSISTANT CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
1-8-03
DIRECTOR, OFFICE OF TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN
TEMPORARY TRAFFIC SIGNAL ON MD 410 AT THE
BOX CULVERT OVER THE TRIBUTARY OF ROCK CREEK

DRAWN BY: S. SMITH	F.A.P. NO. SEE TITLE SHEET	TS NO. 4215	SHEET NO.
CHECKED BY: KAR	S.H.A. NO. M08795171	T.J.M.S. NO.	OF
SCALE: 1" = 20'	COUNTY: MONTGOMERY	F438	
DATE: DECEMBER 2002	LOG MILE: 15041005.29		